

<p>FORM 1449*</p> <p>O I P E</p> <p>MAY 25 2001</p> <p>PATENT & TRADEMARK OFFICE U.S. DEPARTMENT OF COMMERCE</p>	<p>INFORMATION DISCLOSURE STATEMENT</p> <p>IN AN APPLICATION</p> <p>(Use several sheets if necessary)</p>	<p>Docket Number:</p> <p>9374.21USWO</p>	<p>Application Number:</p> <p>09/763791</p>
		<p>Applicant: BLAKE et al.</p>	
		<p>Filing Date: February 26, 2001</p>	<p>Group Art/Unit: unknown</p> <p>1651 1 JUN 2001</p>

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
2001	1167381 ✓	May 15, 1984	Canada	—	—		
1	0518445 ✓	December 16, 1992	Europe	—	—		
1	1546747 ✓	May 31, 1979	Sweden	—	—		
1	93/23080 ✓	November 25, 1993	WIPO	—	—		
2001	95/22335 ✓	August 24, 1995	WIPO	—	—		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>W.H.C.</i>	<i>I</i>	International Search Report GB 99/02845 August 27, 1999
	<i>J</i>	UK Patent Office Search Report GB 9818913.7 November 2, 1998
<i>W.H.C.</i>	<i>J</i>	Millar, T.M. et al. "Xanthine oxidoreductase catalyses the reduction of nitrates and nitrate to nitric oxide under hypoxic conditions" <u>FEBS Letters</u> 1998 Volume 427 pp 225228

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.

INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION <small>(Use several sheets if necessary)</small>		Docket Number: 9374.21USWO	Application Number: 09/763791
		Applicant: BLAKE et al.	Filing Date: February 26, 2001
		Group Art Unit: <u>unknown</u> <u>1651</u>	

MAY 25 2001
PATENTS & TRADEMARKS

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>HJM</i>						

FOREIGN PATENT DOCUMENTS						
	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
						YES
<i>HJM</i>	0477143	March 25, 1992	Europe			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)						
<i>HJM</i>	✓	Babior, B.M. et al. "Biological defense mechanisms. Evidence for the participation of superoxide in bacterial killing by xanthine oxidase" <u>Journal of Laboratory Clinical Medicine</u> February 1975, pp 253-244				
	✓	Crow, J.P. et al. "Sensitivity of the Essential Zinc-Thiolate Moiety of Yeast Alcohol Dehydrogenase to Hypochlorite and Peroxynitrite" <u>Biochemistry</u> Volume 34, Number 11, 1995 pp 3544-3552				
	✓	Moldoveanu, Z. et al. "Human Milk Peroxidase is Derived From Milk Leukocytes" <u>Biochemica et Biophysica Acta</u> Volume 718, 1982, pp 103-108				
	✓	Page, S. et al. "Xanthine oxidoreductase in human mammary epithelial cells: activation in response to inflammatory cytokines" <u>Biochemica et Biophysica Acta</u> , Volume 1381, 1998, pp 191-202				
	✓	Bjorck, L. et al. "Xanthine Oxidase as a Source of Hydrogen Peroxide for the Lactoperoxidase System in Milk" <u>Journal of Dairy Science</u> , Volume 62, 1979, pp 1211-1215				
	✓	Briley, M.S. et al. "Association of Xanthine Oxidase with the Bovine Milk-Fat-Globule Membrane. Nature of the Enzyme-Membrane Association" <u>Biochemistry Journal</u> , Volume 147, 1975, pp 417-423				
	✓	Briley, M.S. et al. "Association of Xanthine Oxidase with the Bovine Milk-Fat-Globule Membrane. Catalytic Properties of the Free and Membrane-bound Enzyme" <u>Biochemistry Journal</u> , Volume 143, 1974, pp 149-157				
<i>HJM</i>	✓	Extract from Souci et al. <u>Food Composition and Nutrition Tables 1989/90</u> , Wissenschaftliche Verlagsgesellschaft mbH Stuttgart, 1989, pp 14-15 and 45-46				



EXAMINER	DATE CONSIDERED
<i>HJM</i> <i>10-Jan-02</i>	
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FORM 1449* INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary)		Docket Number: 9374.21USWO	Application Number: 09763,791
		OCT 09 2001 PATENT & TRADEMARK OFFICE U.S. DEPARTMENT OF COMMERCE 1600 M STREET, N.W. WASHINGTON, D.C. 20591-0001 O I P E Series	Applicant: BLAKE et al. Filing Date: February 26, 2001 Group/Art Unit: Unknown 1651

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FOREIGN PATENT DOCUMENTS

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

✓	McElroy, et al., A Symposium on Inorganic Nitrogen Metabolism: Function of Metallo-Flavoproteins, The John Hopkins Press, Baltimore, pages 500-507, 1956
✓	Bortolussi, et al., Relationship of Bacterial Growth Phase to Killing of Listeria Monocytogenes by Oxidative Agents Generated by Neutrophils and Enzyme Systems, American Society for Microbiology, Infection and Immunity, Vol. 55, No. 12, pages 3197-3203, 1987
✓	Collins, et al., Histochemical Localization and Possible Antibacterial Role of Xanthine Oxidase in the Bovine Mammary Gland, Journal of Dairy Research, Vol. 55, pages 25-32, 1988
✓	Brunelli, et al., The Comparative Toxicity of Nitric Oxide and Peroxynitrite to Escherichia Coli, Archives of Biochemistry and Biophysics, Vol. 316, No. 1, pages 327-334, 1995
✓	Cooray, et al., Bactericidal Activity of the Bovine Myeloperoxidase System Against Bacteria Associated with Mastitis, Veterinary Microbiology, Vol. 46, pages 427-434, 1995
✓	Blake, et al., Xanthine Oxidase: Four Roles for the Enzyme in Rheumatoid Pathology, Biochemical Society Transactions, Vol. 25, pages 812-816, 1997
✓	Millar, et al., Xanthine Oxidase can Generate Nitric Oxide from Nitrate in Ischaemia; Biochemical Society Transactions, Vol. 25, page 528S, 1997
✓	Zhang, et al., Human Xanthine Oxidase Converts Nitrite Ions into Nitric Oxide (NO), Vol. 25, page 524S, 1997

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